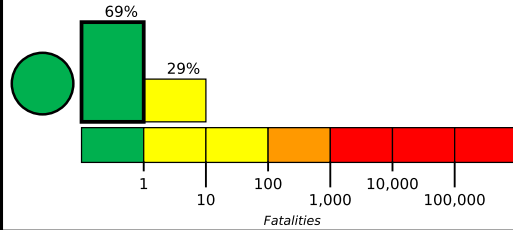


## M 4.5, 3km WSW of South Hutchinson, Kansas

Origin Time: 2020-01-19 19:08:41 UTC (Sun 13:08:41 local)  
Location: 38.0144° N 97.9712° W Depth: 5.0 km

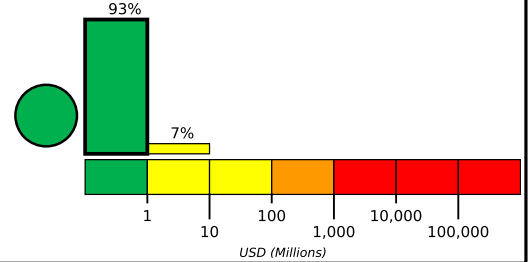
Created: 3 weeks, 1 day after earthquake

### Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

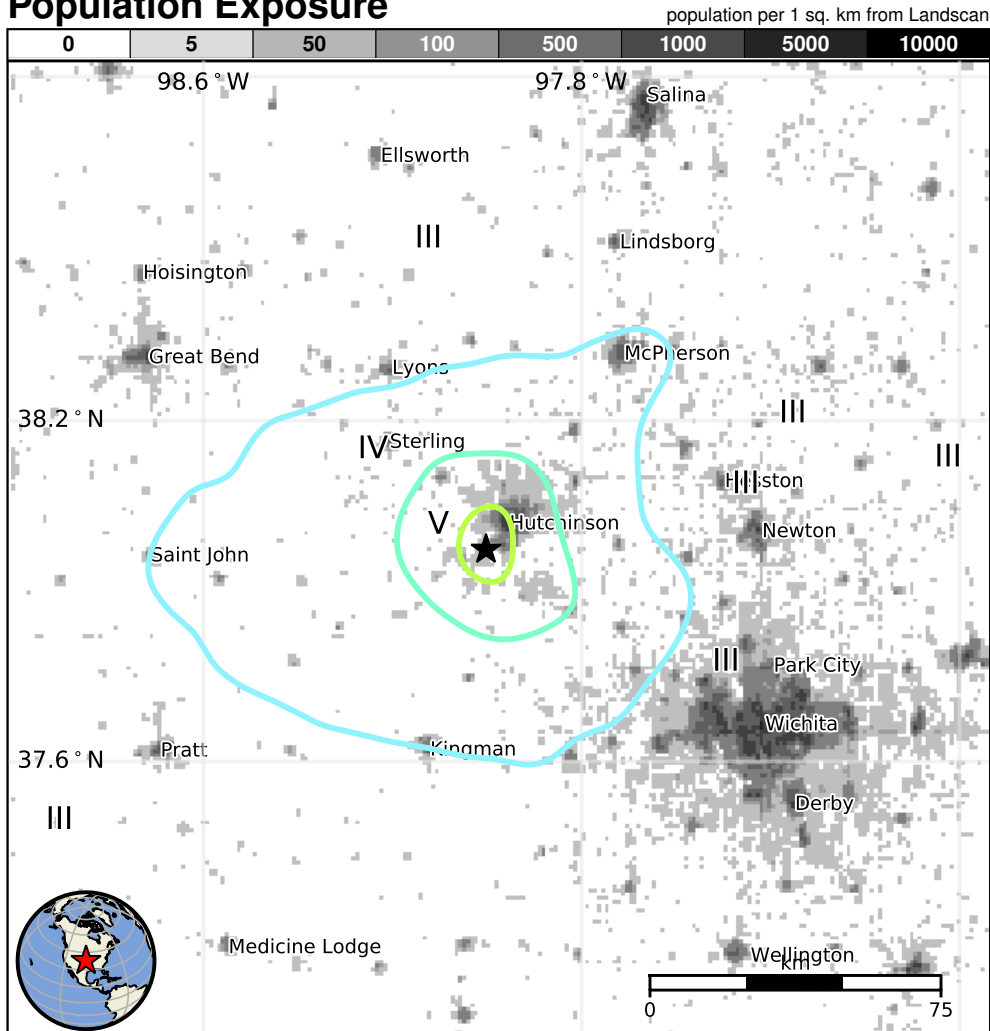


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	814k*	39k	20k	37k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1974-02-15	293	4.6	IV(8k)	—
1997-09-06	397	4.5	V(3k)	—

## Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	<b>Hutchinson</b>	42k
VI	South Hutchinson	2k
V	Nickerson	1k
V	Haven	1k
IV	Buhler	1k
IV	Sterling	2k
III	Wichita	382k
III	Newton	19k
III	Great Bend	16k
III	Salina	48k
III	Derby	22k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us60007att#pager>

bold cities appear on map.

(k = x1000)

Event ID: us60007att